Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 18 Jul 2023 until 23:59 on Wednesday 19 Jul 2023

Forecast Issued on Tuesday 18 Jul 2023 at 01:13

Confidence: High confidence for relatively cool and unsettled period, but slight uncertainty regarding timing and extent of rain on Tuesday and Saturday.

Headline for Tuesday 18 Jul 2023: Increasingly cloudy, with rain during the afternoon.

Mountain weather hazards on Tuesday 18 Jul 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Light rain	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain
Precipitation probability					
10%	60%	70%	80%	70%	60%

Forecast for Tuesday 18 Jul 2023

Weather: A dry start, but cloud increasing from the west from dawn, with intermittent rain spreading east through the morning. Rain turning heavier and more persistent through the afternoon and evening, with the odd thunderstorm possible.

Chance of cloud-free hill tops above 600m: 90% lowering to around 40% from early afternoon.

Low cloud and visibility: Generally good visibility during the morning but becoming moderate to poor in rain during the afternoon, and very poor in hill fog. Scraps of cloud around 500-600m during the morning, but the main cloud base will be above the summits until it lowers around the middle of the day, becoming extensive around 500m during the afternoon and lowering to 300-400m in heavier bursts of rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Tuesday 18 Jul 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/16 SW	13/18 SW	12/16 SW	13/17 SW	14/19 S	14/20 S	14/18 SW
300	8/13 SW	10/13 SW	9/13 SW	10/14 S	11/17 S	10/16 S	11/17 SW
Valley	5/12 SW	7/13 SW	6/12 SW	5/12 S	5/14 S	5/14 S	7/15 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	10/8	10/8	10/7	11/8	11/8	11/8
300	12/10	13/11	13/12	12/11	13/11	13/11	13/11
Valley	12/11	14/12	14/13	13/12	14/13	13/13	13/12
Freezing Level*	2100m	2400m	2400m	2400m	2600m	2600m	2500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions will deteriorate during the day, with navigation becoming difficult on higher slopes during the afternoon as the cloud base lowers.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Tue 18 Jul 2023	19.4mm	23.4mm	46.8mm

Forecast for Wednesday 19 Jul 2023

Weather: Cloud and patchy rain and drizzle clearing eastwards through the morning. The rest of the day will see a mix of bright or sunny spells and scattered showers. Showers gradually dying away through the evening.

Maximum wind: Northwesterly 15mph gusting 25mph.

Chance of cloud-free hill tops above 600m: 20% increasing to 90% by midday.

Low cloud and visibility: Visibility moderate to poor at first with drizzle and widespread cloud around 300-400m. This clearing by late morning to leave significantly improved conditions, with excellent visibility.

Temperature: **Valleys:** 12 C becoming 20 C
At 600m: 11-13 C
Freezing level: Above summits.

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